Fig.1

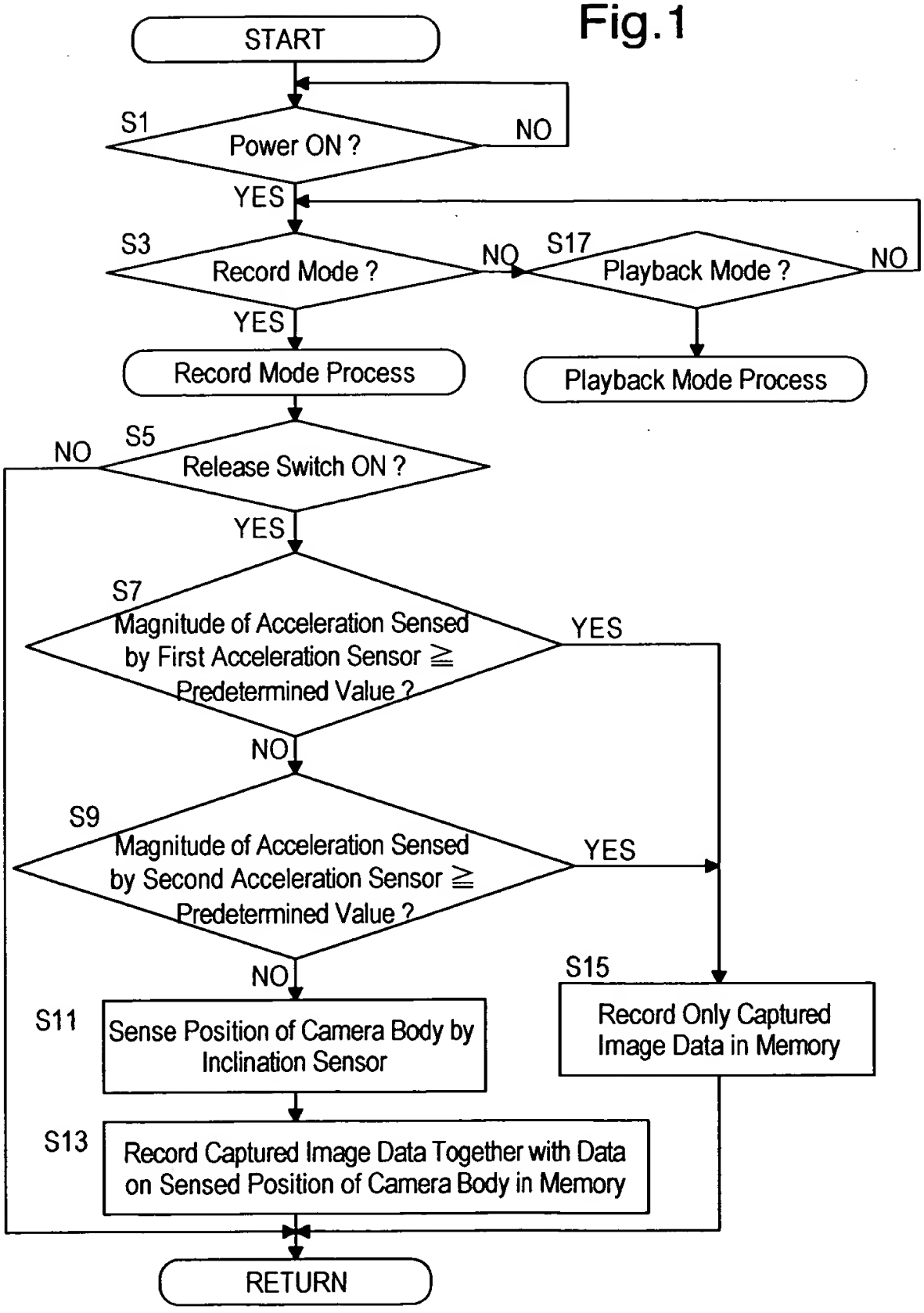

START
S1
Power ON ?
NO
YES
S3
Record Mode ?
NO
S17
Playback Mode ?
NO
YES
Record Mode Process
Playback Mode Process
NO
S5
Release Switch ON ?
YES
S7
Magnitude of Acceleration Sensed by First Acceleration Sensor ≧ Predetermined Value ?
YES
NO
S9
Magnitude of Acceleration Sensed by Second Acceleration Sensor ≧ Predetermined Value ?
YES
NO
S15
Record Only Captured Image Data in Memory
S11
Sense Position of Camera Body by Inclination Sensor
S13
Record Captured Image Data Together with Data on Sensed Position of Camera Body in Memory
RETURN

Fig.2

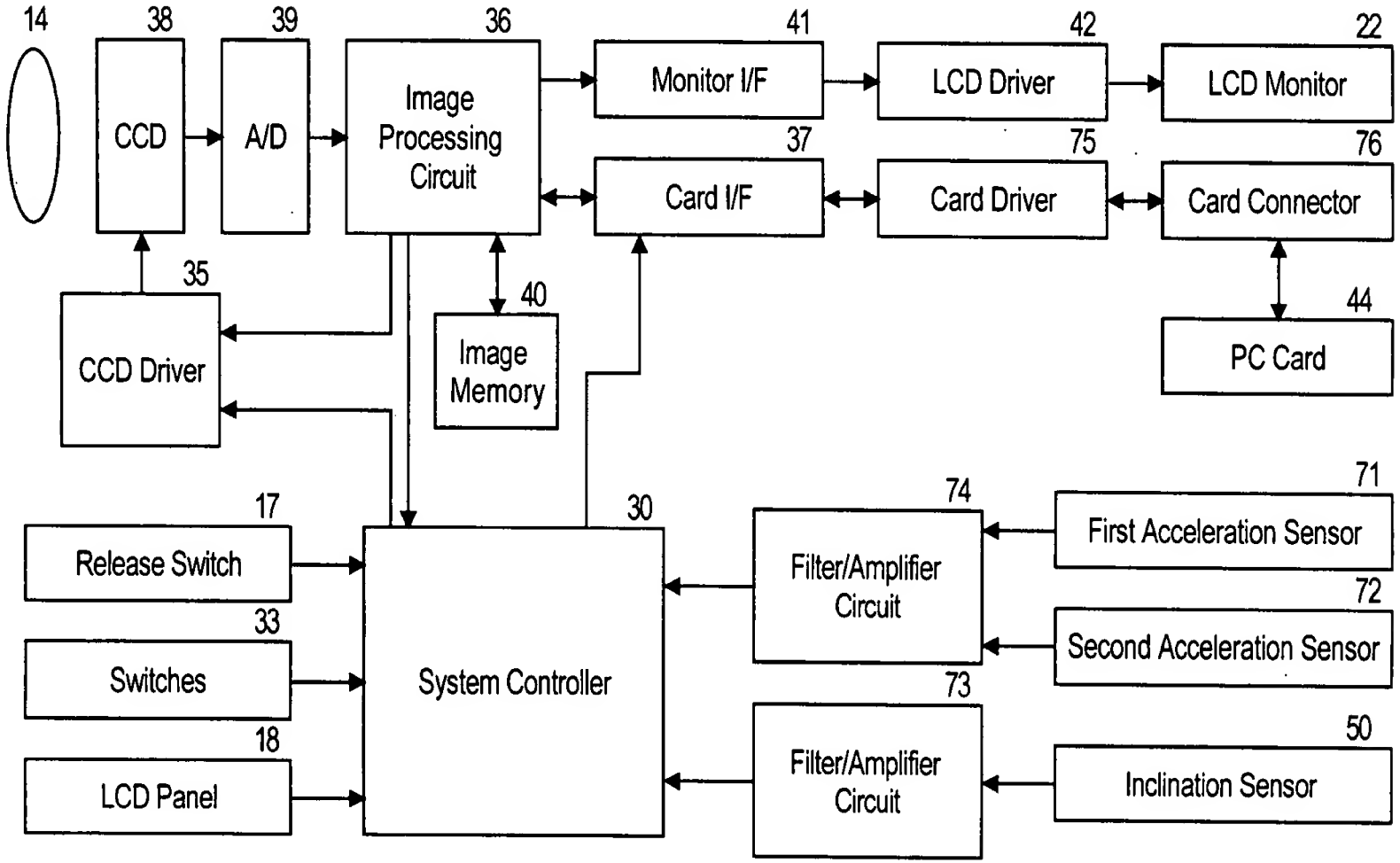

14
38
39
36
41
42
22
CCD
A/D
Image Processing Circuit
Monitor I/F
LCD Driver
LCD Monitor
37
75
76
Card I/F
Card Driver
Card Connector
35
40
44
CCD Driver
Image Memory
PC Card
71
74
17
30
First Acceleration Sensor
Release Switch
Filter/Amplifier Circuit
72
33
Second Acceleration Sensor
Switches
System Controller
73
50
18
Filter/Amplifier Circuit
Inclination Sensor
LCD Panel

Fig.3

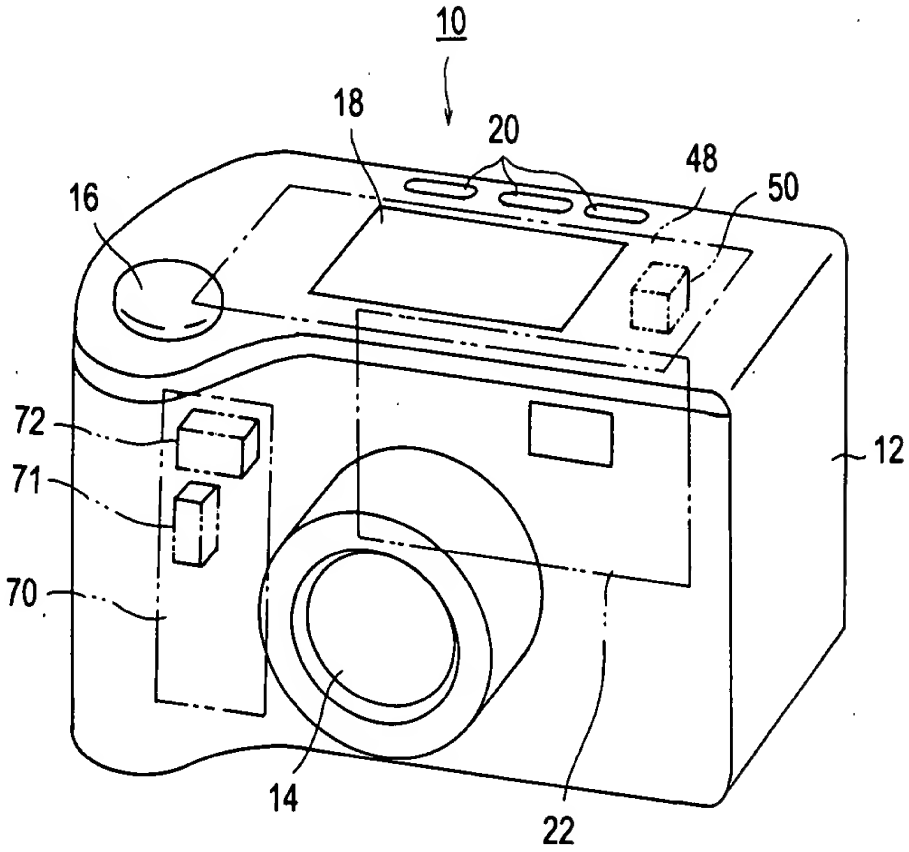


Fig.4

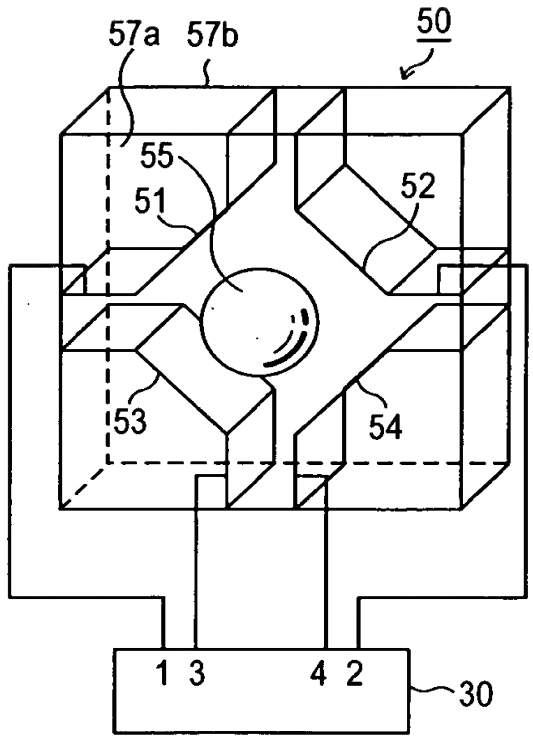

57a
57b
50
55
51
52
53
54
1 3
4 2
30

Fig.5

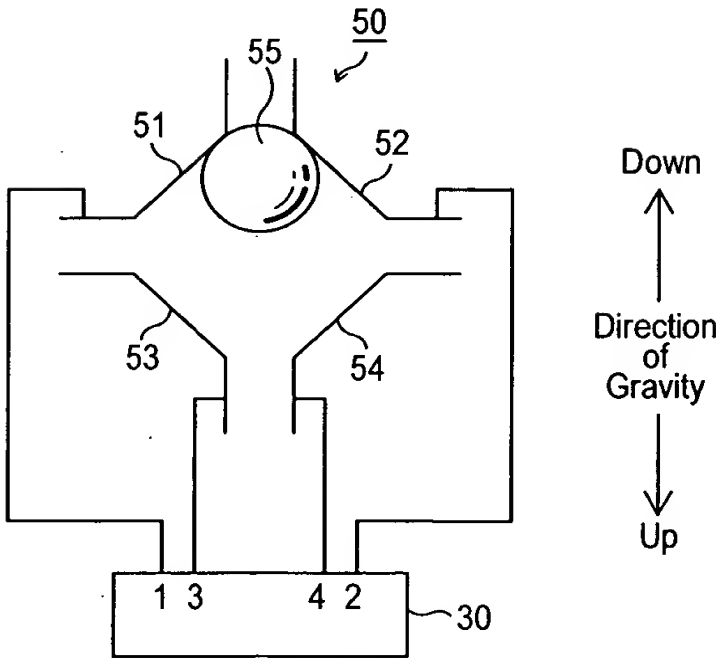

50
55
51
52
53
54
1 3
4 2
30
Down
Direction of Gravity
Up

Fig.6

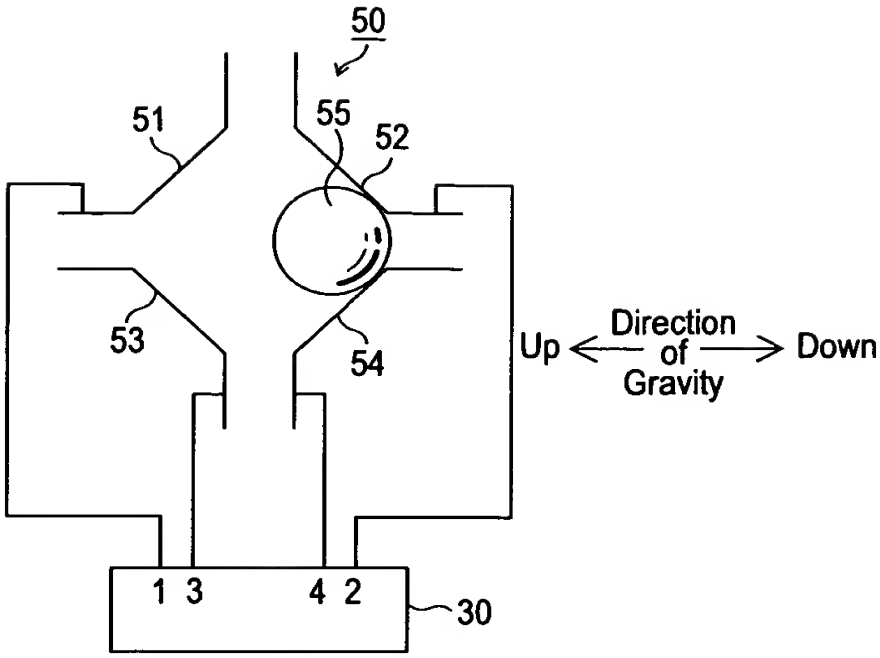

50
51
55
52
53
54
Up
Direction of Gravity
Down
1 3
4 2
30

Fig.7

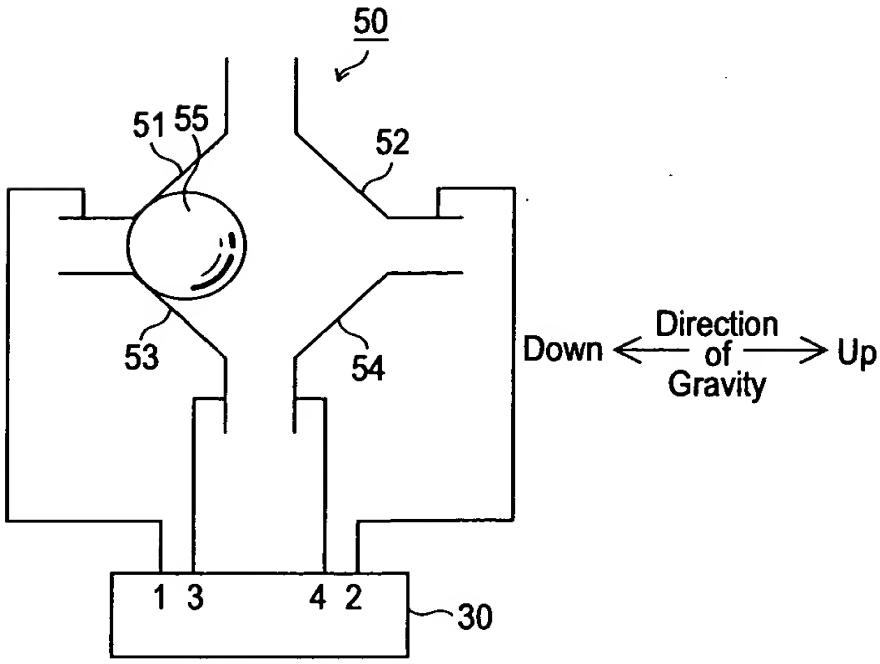

50
51 55
52
53
54
Down
Direction of Gravity
Up
1 3
4 2
30

Fig.8

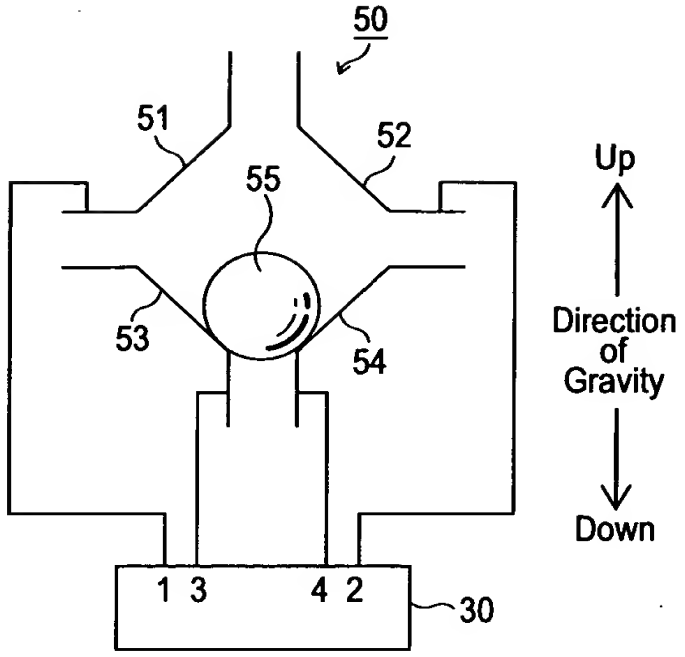

50
51
52
55
53
54
Up
Direction of Gravity
Down
1 3
4 2
30

Fig.14

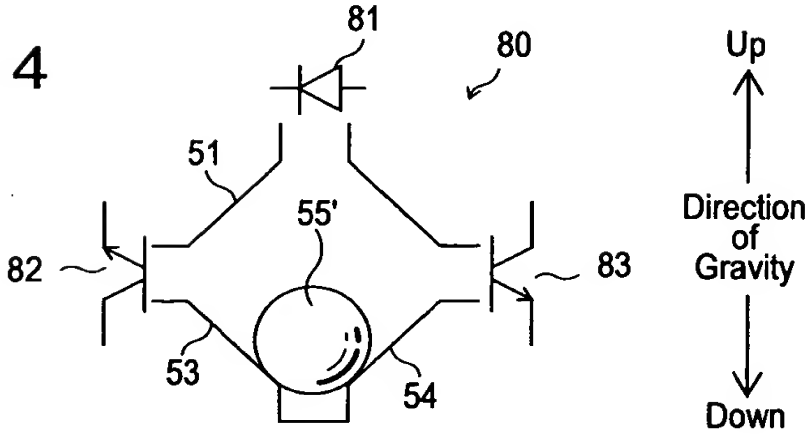

81
80
51
55'
82
83
53
54
Up
Direction of Gravity
Down

Fig.9

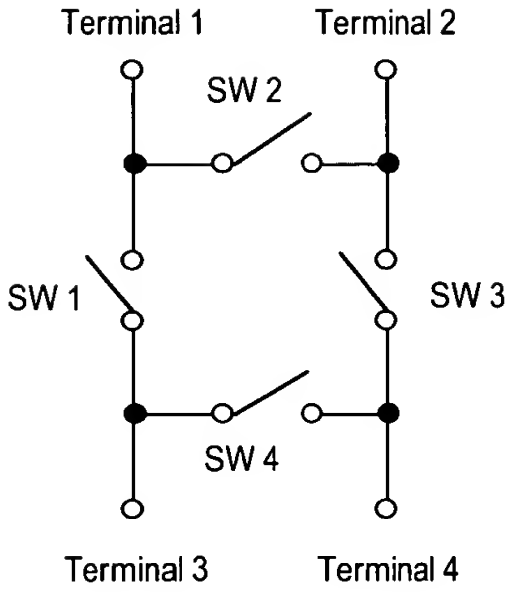
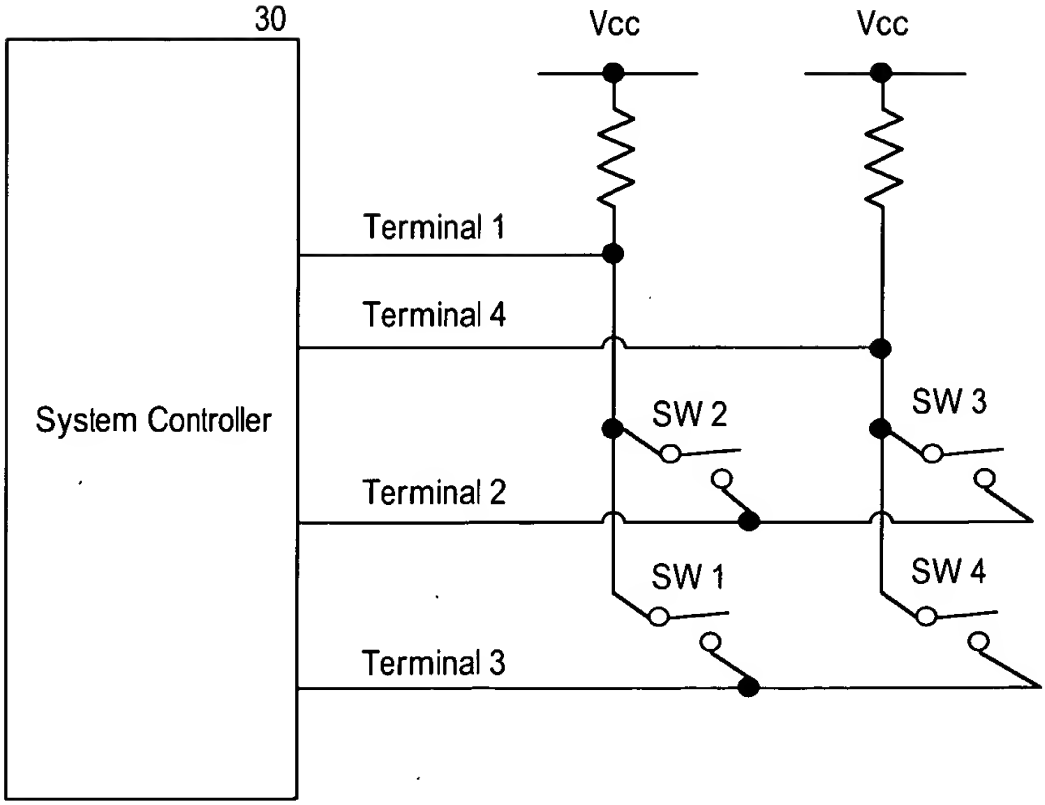

Terminal 1
Terminal 2
SW 2
SW 1
SW 3
SW 4
Terminal 3
Terminal 4

Fig.10


30
Vcc
Vcc
Terminal 1
Terminal 4
System Controller
SW 2
SW 3
Terminal 2
SW 1
SW 4
Terminal 3

FOEOFO" 0h7251E0

Fig.11

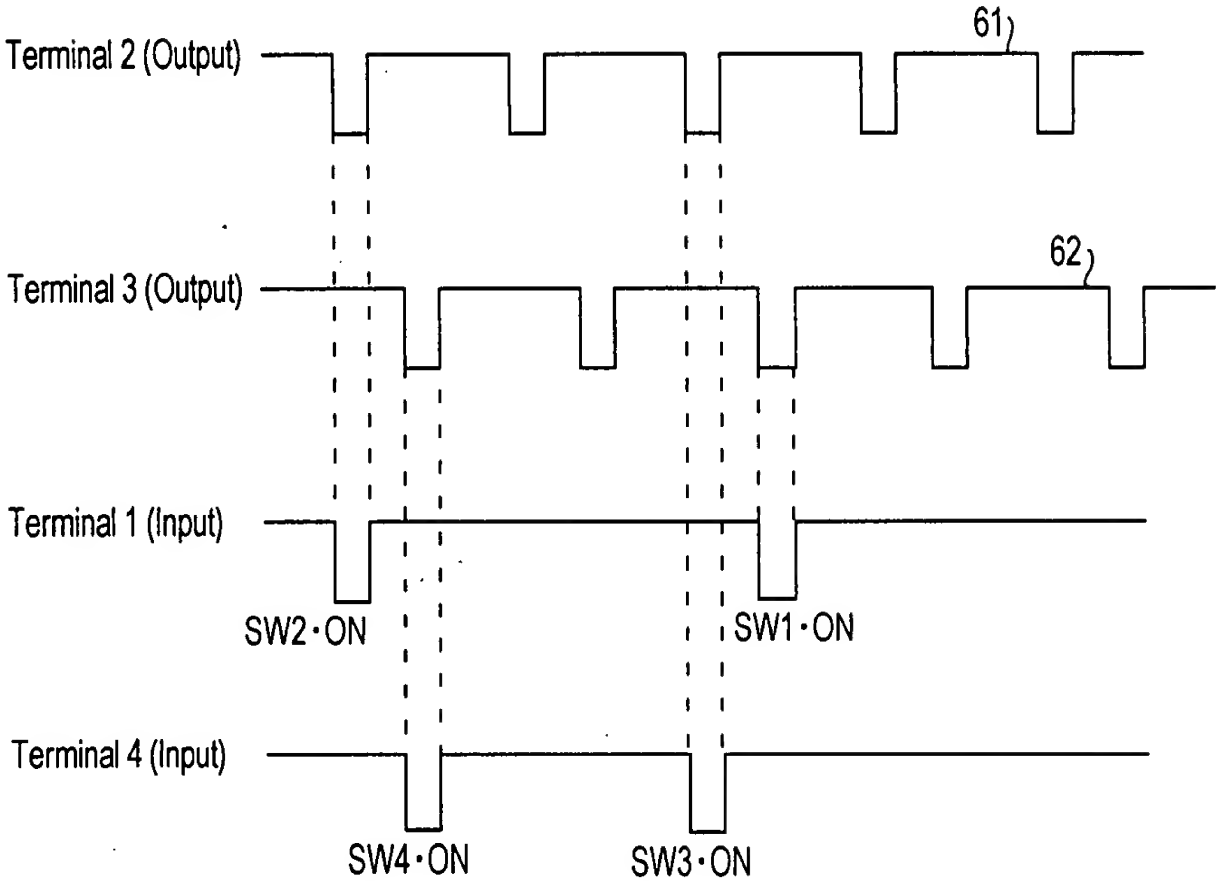


Fig.12

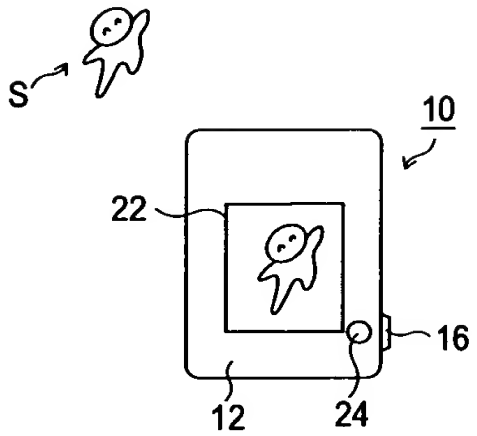


Fig.13

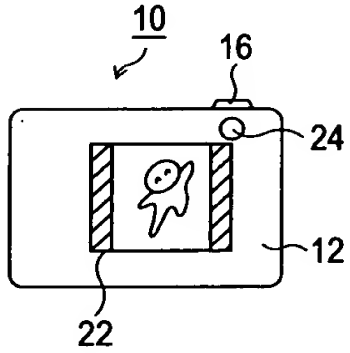


Fig.15

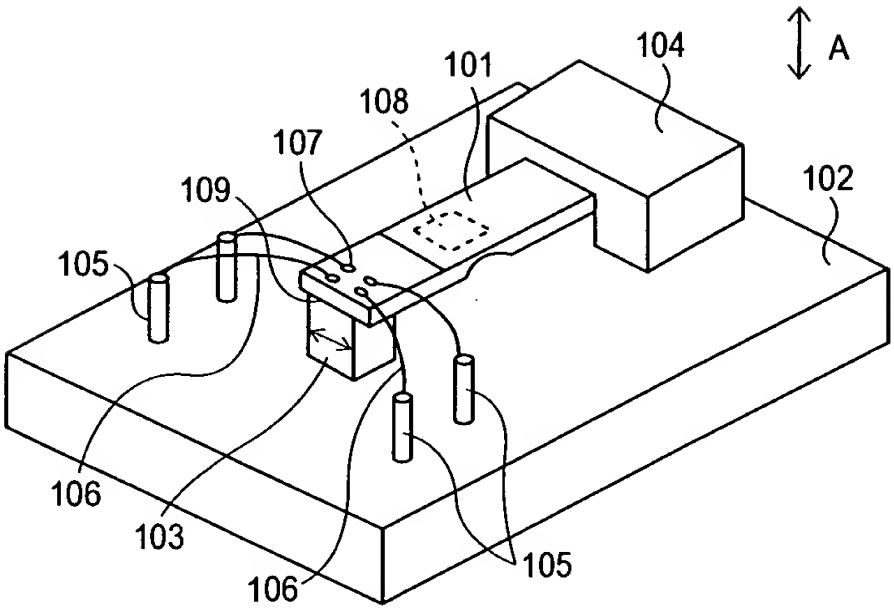
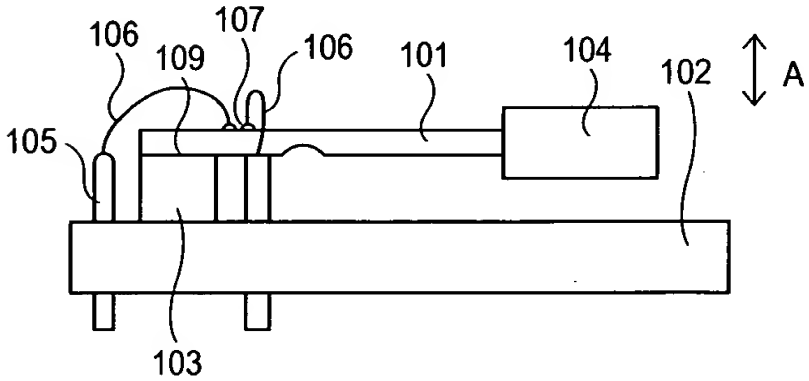

A
104
101
108
107
109
102
105
106
103
106
105

Fig.16


106
107
109
106
101
104
102
A
105
103